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Irregular section pressure sensitive adhesive sheets - have lower peeling strength whilst maintaining shearing strength, and can be repeatedly peeled

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Patent Family (5 patents, 3 countries)

Patent Application

| Number | Kind | Date | Number | Kind | Date | Update |
|--------------------|-----------|----------|---------------|------|----------|----------|
| EP 279579 | A | 19880824 | EP 1988301088 | A | 19880209 | 198834 B |
| JP 63193982 | A | 19880811 | JP 198726331 | A | 19870209 | 198838 E |
| | | | JP 198756451 | A | 19870313 | |
| JP 63223081 | A | 19880916 | JP 198726331 | A | 19870209 | 198843 E |
| | | | JP 198756451 | A | 19870313 | |
| EP 279579 | B1 | 19930421 | EP 1988301088 | A | 19880209 | 199316 E |
| DE 3880341 | G | 19930527 | DE 3880341 | A | 19880209 | 199322 E |
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Alerting Abstract EP A

An irregular section adhesive sheet has a pressure sensitive adhesive layer (PSAL) (1) forming an uneven adhesion face on a substrate (2). Pref. the adhesion face has air passages (4). formed by arranging PSAL into islands or stripes.

The sheet can be easily and repeatedly peeled even a long time after lamination enabling use of high adhesion force adhesives to give improved resistance to shear. It can be used over large as well as small areas and the sheet can be smoothed to eliminate trapped air. Useful e.g. as advertising media and decorations for transportation. The adhesive is crosslinked and is either (i) a rubber type, esp. a butyl rubber type comprising halogenated butyl rubber and/or ethylene/propylene-diene terpolymer rubber, polybutene, photopolymerisable cpd., silica and photo-sensitive and is crosslinked by UV irradiation; or (ii) an acrylic type.

USE/ADVANTAGE - The sheet can be easily and repeatedly peeled even a long time after lamination enabling use of high adhesion force adhesives to give improved resistance to shear. It can be used over large as well as small areas and the sheet can be smoothed to eliminate trapped air. Useful e.g. as advertising media and decorations for transportation means, electrical appliances, fixtures, toys etc.